

Memorandum of Understanding

between

the Federal Ministry for Research and Technology and the Federal  
Ministry of Transport of the Federal Republic of Germany

on the one hand

and

the Department of Transportation of the United States of America

on the other hand

regarding cooperation on the development of advanced ground transportation,  
particularly tracked, levitated high speed transportation systems.

1. The Federal Ministry for Research and Technology, the Federal Ministry  
of Transport, on the one hand, and the Department of Transportation of  
the United States on the other shall,

- In the knowledge that new developments in the field of  
transportation technology can make an important contribution  
towards solving transportation problems in both countries  
during the coming decades,
- In view of the fact that both countries are promoting  
comprehensive research and development work on advanced  
transportation technologies,
- In view of the progress made to date in the development  
of relevant systems, and
- In anticipation that equal advantages for both parties will  
result from a link between the programs of both countries

cooperate on the further development of advanced ground transportation technologies, particularly tracked, levitated high-speed transportation systems.

2. This cooperation may include:

- The exchange of information regarding programs and projects, research results, publications;
- The exchange of scientific and technical staff;
- The joint organization of symposia or conferences; and
- The execution of joint systems analyses, scientific or technical projects.

The specific details of cooperation among the parties will be established on a case-by-case basis by the contracting parties, or, if the parties agree, by their designated agents.

3. The cooperative program shall cover, but need not be limited to, the following areas:

- The underlying traffic and transport policy assumptions as well as the consequences of the introduction of advanced transportation systems;
- The principles of the development of levitated transportation systems (magnetic and air cushion);
- Fundamental questions regarding the development of linear electric motors; and
- The establishment of the optimal parameters for levitated transportation systems.

4. To administer and facilitate this cooperation, each party shall designate an appropriate official as its program coordinator within thirty days of the entry into force of this Memorandum of Understanding. These program coordinators shall:

- Work out initial, specific cooperative undertakings;
- Provide a point of contact for the parties in proposing and making other detailed arrangements for program activity, including activity involving the participation of other ministries or departments, governmental agencies, or the private sector; and,
- Arrange for regular reviews of the status and achievements of the overall program and its component projects, to be conducted at least once a year.

5. Cooperation may involve exchanges of patent rights and industrial know-how on a reciprocal basis. To the extent that cooperation involves patent rights or the industrial know-how of third parties of which the parties cannot avail themselves without the prior consent of such third parties, each of the parties shall, on behalf of the other, request that this knowledge be also incorporated, as far as practicable, in the cooperation program.

6. The rights and obligations of the parties to this cooperation program with regard to inventions resulting from such cooperation program shall be established under special agreements concluded among those concerned.

7. If no arrangement to the contrary is made in the individual case, each party shall itself bear the costs devolving on it as a result of the cooperation.

The obligations of the parties shall be subject to the availability of budgetary funds.

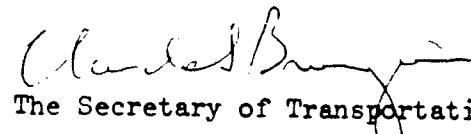
8. The Memorandum of Understanding shall also apply to Land Berlin, provided that the Government of the Federal Republic of Germany has not made a contrary declaration to the Government of the United States of America within three months from the date of entry into force of the Memorandum of Understanding.

9. The Memorandum of Understanding shall be valid for a period of five years from the date of entry into force; it may be extended by the written agreement of the parties. Each party may terminate the present agreement by giving three months written notice to that effect.

10. This Memorandum of Understanding shall enter into force on the date of signature.

Done at Bonn on June 12, 1973

The Federal Minister for Research  
and Technology of the Federal  
Republic of Germany

  
The Secretary of Transportation  
of the United States of  
America

  
Dr. Hans-Joachim Wackerbarth  
The Federal Minister of Transport  
of the Federal Republic of Germany

  
Dr. Klaus-Dieter Fritsch

FRC  
moc

**DEPARTMENT OF STATE**  
**AIRGRAM**

1978 OCT 15 2-2329

|   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
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|   | HANDLING   | CLASSIFICATION<br>UNCLASSIFIED   | MESSAGE REFERENCE NO<br>978 A-237 |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>TO: DEPARTMENT OF STATE</p> <p>Attn: OES/APT/BMP (Mr. Morris Crawford), L/T</p> <p>FROM: AMEMBASSY BONN</p> <p>E.O. 11652:</p> <p>TAGS: N/A</p> <p>SUBJECT: TECH, GW</p> <p>49 REF: Memorandum of Understanding between the U.S. DOT and the FRG Ministries for Research and Technology and for Transportation</p>   | <p>DATE: 10/3/78</p> <p>1978 OCT 17 AM 10 12</p> |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p><u>DEPT. DISTRIBUTION</u></p> <p>ORIGIN/ACTION</p> <p>State A-2855</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">AF</td> <td style="width: 25%;">ARA</td> <td style="width: 25%;">CU</td> <td style="width: 25%;">EA</td> </tr> <tr> <td>EB</td> <td>EUR</td> <td>INR</td> <td>IO</td> </tr> <tr> <td>L</td> <td>NEA</td> <td>PER</td> <td>PM</td> </tr> <tr> <td>REP</td> <td>SCI</td> <td>SS</td> <td>SY</td> </tr> <tr> <td colspan="4" style="text-align: center; padding-top: 10px;"> <u>AM</u><br/>STOESSEL         </td> </tr> <tr> <td>AGR</td> <td>AID</td> <td>AIR</td> <td>ARMY</td> </tr> <tr> <td>CIA</td> <td>COM</td> <td>DOD</td> <td>DOT</td> </tr> <tr> <td>FRB</td> <td>HEW</td> <td>INT</td> <td>LAB</td> </tr> <tr> <td>NAVY</td> <td>NSA</td> <td>NSC</td> <td>OPIC</td> </tr> <tr> <td>STR</td> <td>TAR</td> <td>TRSY</td> <td>USIA</td> </tr> <tr> <td>XMB</td> <td></td> <td></td> <td></td> </tr> </table> |  |                                  |                                   | AF | ARA | CU | EA | EB | EUR | INR | IO | L | NEA | PER | PM | REP | SCI | SS | SY | <u>AM</u><br>STOESSEL |  |  |  | AGR | AID | AIR | ARMY | CIA | COM | DOD | DOT | FRB | HEW | INT | LAB | NAVY | NSA | NSC | OPIC | STR | TAR | TRSY | USIA | XMB |  |  |  |
| AF  | ARA  | CU                               | EA                                |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| EB  | EUR  | INR                              | IO                                |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| L   | NEA  | PER                              | PM                                |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| REP   | SCI  | SS                               | SY                                |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <u>AM</u><br>STOESSEL   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| AGR   | AID  | AIR                              | ARMY                              |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| CIA   | COM  | DOD                              | DOT                               |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| FRB   | HEW  | INT                              | LAB                               |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| NAVY  | NSA  | NSC                              | OPIC                              |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| STR   | TAR  | TRSY                             | USIA                              |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| XMB   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>We are forwarding as attachment to this airgram two original copies in German and in English of subject Memorandum of Understanding for the USG. The two copies are now signed by the FRG Ministers for Research and Technology and of Transportation.</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>Encl.: Memorandum of Understanding</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>FADRC/DA/WC</p> <p>1978 OCT 13 AM 10 20</p> <p>DEPARTMENT OF STATE</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
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| <p>DRAFTED BY: DZo16ndz:bp</p>  |  | <p>DRAFTING DATE<br/>10/3/78</p> | <p>PHONE NO.<br/>3320</p>         |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>CONTENTS AND CLASSIFICATION APPROVED BY:<br/>ECON:OECM:CPW</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>CLEARANCES: <u>Mr. McQuade</u> /AM</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |
| <p>POL: Mr. McQuade /AM</p>   |  |                                  |                                   |    |     |    |    |    |     |     |    |   |     |     |    |     |     |    |    |                       |  |  |  |     |     |     |      |     |     |     |     |     |     |     |     |      |     |     |      |     |     |      |      |     |  |  |  |

DRAFTED BY: DZo16ndz:bp

CLEARANCES: Mr. McQuade /AM

ECON:TRC:TRMme

FORM DS-828

Vereinbarung

zwischen dem Bundesminister für Forschung und  
Technologie und dem Bundesminister für Verkehr  
der Bundesrepublik Deutschland

einerseits

und dem Verkehrsministerium der Vereinigten Staaten  
von Amerika

andererseits

über die Verlängerung und Abänderung der Vereinbarung  
vom 12. Juni 1973 über Zusammenarbeit bei der Entwick-  
lung von fortgeschrittenen Landverkehrssystemen

Der Bundesminister für Forschung und Technologie (BMFT)  
und der Bundesminister für Verkehr (BMV) der Bundes-  
republik Deutschland

einerseits

und das Verkehrsministerium der Vereinigten Staaten von  
Amerika

andererseits,

im folgenden als die Vertragsparteien bezeichnet,

- von dem Wunsch geleitet, die fruchtbare Zusammenarbeit  
der Vertragsparteien im Rahmen der Vereinbarung vom  
12. Juni 1973 über Zusammenarbeit bei der Entwicklung  
von fortgeschrittenen Landverkehrssystemen, insbesondere  
spurgebundenen Schnellverkehrssystemen mit berührungs-  
freier Fahrtechnik, fortzusetzen,
- in der Erwägung, daß eine Ausdehnung ihrer Zusammenarbeit  
auf weitere Gebiete im Bereich der fortgeschrittenen Land-  
verkehrssysteme von Nutzen ist,

sind wie folgt übereingekommen:

1. Die Vereinbarung vom 12. Juni 1973 wird hiermit auf unbestimmte Zeit verlängert. Jede Vertragspartei hat das Recht, die Zusammenarbeit mit einer Frist von drei Monaten gegenüber den anderen Vertragsparteien schriftlich zu kündigen.
2. Die Zusammenarbeit bei der Entwicklung von fortgeschrittenen Landverkehrssystemen ist nicht auf spurgebundene Schnellverkehrssysteme mit berührungsfreier Fahrtechnik beschränkt, sondern schließt Verbesserungen der herkömmlichen Eisenbahntechnik sowohl beim rollenden Material als auch bei den Antriebssystemen ein.
3. Die Zusammenarbeit umfaßt die Technologien für den öffentlichen Nahverkehr.
4. Die Zusammenarbeit kann sich auf Technologien für Kraftfahrzeuge und für den Straßenverkehr erstrecken.

5. Unberührt bleiben die Bestimmungen der Vereinbarung vom 3. September 1975 zwischen DOT und BMV über Zusammenarbeit auf dem Gebiet des Verkehrs sowie der Vereinbarung vom 5. November 1970 zwischen DOT und BMV über die Zusammenarbeit bei der Entwicklung von Experimentiersicherheitsfahrzeugen.
6. Diese Vereinbarung gilt auch für das Land Berlin, sofern nicht die Regierung der Bundesrepublik Deutschland gegenüber der Regierung der Vereinigten Staaten von Amerika innerhalb von drei Monaten nach Inkrafttreten der Vereinbarung eine gegenseitige Erklärung abgibt.
7. Diese Vereinbarung tritt am Tage ihrer Unterzeichnung in Kraft.

Geschehen zu Washington, D.C. und Bonn am 12. Juli und 30. August 1978 in drei Urschriften, jede in deutscher und englischer Sprache, wobei jeder Wortlaut gleichermaßen verbindlich ist.

  
Der Bundesminister für Forschung und Technologie  
der Bundesrepublik Deutschland

  
Der Bundesminister für Verkehr  
der Bundesrepublik Deutschland

  
Der Minister für Verkehr  
der Vereinigten Staaten von Amerika